

Lithosphere Advances Mainnet Readiness for AI-Native Web4 Applications and Autonomous Agents

The AI-native Layer 1 ecosystem strengthens network infrastructure and agent-focused capabilities as it progresses toward broader deployment of intelligent Web4 applications.



London, United Kingdom Sep 21, 2026 ([Issuewire.com](https://www.Issuewire.com)) - [Lithosphere](#) is advancing mainnet readiness for AI-native Web4 applications and autonomous agents, strengthening the infrastructure required to support intelligent execution, persistent identity, decentralized discovery, and cross-chain coordination across its Layer 1 ecosystem.

The ongoing development builds on Lithosphere's broader network architecture and the Makalu testnet environment, where infrastructure for emerging decentralized and agentic applications can be evaluated and refined. The focus on mainnet readiness brings these technical components together as the ecosystem prepares for increasingly sophisticated AI-driven activity.

Lithic provides the AI-native execution layer within the ecosystem, while PPAL supports persistent identity and DNNS provides decentralized naming and discovery. MultX extends coordination across blockchain networks, with LEP100 supporting structured standards for agent-focused activity. LITHO serves as the ecosystem utility connecting participation across these infrastructure layers.

For autonomous agents, reliable network infrastructure requires more than transaction processing. Intelligent systems must be able to establish identity, discover resources, coordinate across environments, and execute activity through defined pathways. Lithosphere's mainnet-focused development is centered on bringing these capabilities into a connected framework for Web4

applications.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that mainnet readiness requires coordinated development across the infrastructure supporting intelligent applications. According to Kasr, connecting execution, identity, discovery, and interoperability creates a stronger foundation for autonomous agents and AI-native applications operating across Web4 environments.

About

Lithosphere is an AI-native Layer 1 blockchain platform developed by KaJ Labs to support intelligent decentralized infrastructure. Through Lithic, PPAL, DNNS, MultX, LEP100, and LITHO, the platform supports scalable execution, persistent identity, decentralized discovery, cross-chain interoperability, and autonomous coordination for Web4 ecosystems.

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